

Mineral Industry Surveys

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CRUSHED STONE AND SAND AND GRAVEL IN THE FOURTH QUARTER OF 1999

An estimated 401 million metric tons of *crushed stone* were produced and shipped for consumption in the United States in the fourth quarter of 1999, an increase of 2.5% compared with the same period of 1998. The estimated annual production of *crushed stone* shipped for consumption in 1999 was 1.56 billion metric tons, a 3.3% increase compared with 1998. The 1999 total annual production of crushed stone was again the highest production ever recorded in the United States.

The estimated output of *construction sand and gravel* produced for consumption in the fourth quarter of 1999 was 270 million metric tons, an increase of 0.5% compared with the same period of 1998. The estimated annual production of *construction sand and gravel* shipped for consumption in 1999 was 1.1 billion metric tons, a 1.9% increase compared with 1998. The 1999 total annual production of *construction sand and gravel* was also the highest production ever recorded in the United States.

The above estimates are based on information reported to the U.S. Geological Survey (USGS) quarterly sample survey by the *crushed stone* and *sand and gravel* producers. The increases in production of both *crushed stone* and *construction sand and gravel* are mostly due to continued high level activity in commercial, public, and private construction work during the fourth quarter of 1999. It should be noted that in the fourth quarter of 1999 there was also an increase of 5.4% in portland cement consumption compared with the same period of 1998.

The USGS quarterly survey is a sample survey that generates production for consumption estimates by quarters for each State, except Alaska and Hawaii, and each geographic division, based on information reported voluntarily by a limited number of producing companies. Occasionally, the number of companies reporting in an area varies from quarter to quarter, or previously reported data by some companies are revised. As a result of such changes in the size or the composition of the statistical sample, the estimated quantities for prior quarters are recalculated. This latest release of the Quarterly Mineral Industry Surveys contains the most recent estimated totals and percentage changes and supersedes previously published similar information.

The production for consumption estimates for *crushed stone* and *sand and gravel* are generated independently for each State and geographic division, which are treated as separate statistical sample areas. Therefore, some differences may exist between the total for a division and the sum of State totals that are part of the same geographic division.

The estimated U.S. *crushed stone* production for consumption in the fourth quarter of 1999 increased in all geographic divisions except the New England (-5.7%), and Middle Atlantic (-2.2%). Significant increases were recorded in the West South Central (13.1%), West North Central (6.7%), and the Mountain (4.4%) divisions.

The leading geographic divisions for the total amount of *crushed stone* sold or used in the fourth quarter of 1999 were the South Atlantic with 93.5 million metric tons, or 23.3% of the U.S. total, followed by the East North Central with 80.6 million metric tons or 20.1%, and the West South Central division with 47.6 million metric tons or 11.9% of the total.

The estimated U.S. *construction sand and gravel* sold or used in the fourth quarter of 1999 decreased in all geographic divisions except the West North Central (7.2%), the Mountain (5.7%), and the Pacific (2.1%). Significant decreases were recorded in the East South Central (-12.2%), New England (-8.0%), and the South Atlantic (-4.8%) divisions.

The leading geographic divisions for the total amount of *construction sand and gravel* sold or used in the fourth quarter of 1999 were the Pacific with 57.3 million metric tons or 21.2%, the East North Central with 56.5 million metric tons, or 20.9% of the U.S. total, followed by the Mountain with 50 million metric tons or 18.5% of the total. The estimated totals by quarters for the geographic divisions do not include Alaska and Hawaii.

Despite the increases recorded at the national level, production for consumption of *crushed stone* declined in the fourth quarter of 1999 in 21 of the 40 estimated States, compared with the same quarter of 1998. Significant decreases in production were recorded in Idaho (-40%), Connecticut (-23.7%), Oklahoma (-19.6%), Wyoming (-12.2%), and Maine (-11.1%). Significant increases in

production of crushed stone in the fourth quarter of 1999 occurred in Utah (48.1%), Texas (38.2%), Wisconsin (26.3%), Oregon (24.1%), and Minnesota (16.9%). The five leading States in the production for consumption of *crushed stone* in the fourth quarter of 1999 were Texas, Pennsylvania, Illinois, Florida, and Missouri. Their combined total production for consumption represented 30.2% of the U.S. total.

Production for consumption of *construction sand and gravel* declined in 21 of the 44 estimated States, with significant decreases being recorded in South Carolina (-36.2%), Mississippi (-28.1%), Tennessee (-27%), Vermont (-26.9%), and Utah (-25%). Significant increases in production of *construction sand and gravel* in the fourth quarter of 1999 were recorded in New Mexico (64.2%), Oklahoma (22.9%), Missouri (22.4%), Nevada (22%), and Kentucky (20.5%). The five leading States in the production for consumption of *sand and gravel* in the fourth quarter of 1999 were California, Michigan, Texas, Ohio, and Arizona. Their combined total production for consumption represented 38% of the U.S. total.

This survey also provides the first preliminary estimates by State for 1999. The 10 leading States in the production of *crushed stone* for the entire year of 1999 were Texas, Pennsylvania, Florida, Georgia, Illinois, Missouri, Ohio, North Carolina, Virginia, and Tennessee. Their combined total production for

consumption for the entire year represented 52.2% of the U.S. total.

The 10 leading States in the production of *construction sand and gravel* for the entire year of 1999 were California, Texas, Michigan, Arizona, Ohio, Colorado, Minnesota, Washington, Utah, and Illinois. Their combined total production for consumption for the entire year represented 54.2% of the U.S. total.

A total of 356 companies representing *crushed stone* and *construction sand and gravel* producers reported production for consumption information to the fourth quarter sample survey. The large participation of the producing companies in this survey is reflected by the high percentage coverage obtained for most geographic divisions and States. The percentage coverage indicates how much of the total estimated production for consumption for a State or a geographic division was actually reported by companies participating in this survey and was used to generate the estimated totals for that particular area.

The percent changes between the estimated production for consumption for the current quarter and the same quarter of the prior year included in this report are important indicators of the production/consumption trends occurring in a particular area of the country.

TABLE 1
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION 1/

(Thousand metric tons and thousand dollars)

Region/Division	1998						1998 and 1999	
	Quantity					Value total 2/	Percent cover- age	Number of cos. 3/
	1st qtr.	2nd qtr.	3rd qtr.	4th qtr.	Total 2/			
Northeast:								
New England	3,100	10,700	12,400	10,500	36,600	260,000	44	18
Middle Atlantic	22,000	44,500	55,200	43,900	166,000	944,000	58	35
Midwest:								
East North Central	36,900	78,300	90,200	78,800	284,000	1,300,000	67	44
West North Central	26,600	44,300	47,600	40,300	159,000	837,000	56	40
South:								
South Atlantic	67,800	92,900	101,000	93,300	355,000	2,080,000	83	51
East South Central	32,300	44,900	50,900	44,700	173,000	1,060,000	70	19
West South Central	37,000	46,300	48,100	42,100	174,000	739,000	63	28
West:								
Mountain	10,000	15,200	15,400	12,100	52,800	268,000	48	22
Pacific 5/	19,200	24,900	28,100	25,600	97,700	573,000	42	25
Total 2/	255,000	402,000	449,000	391,000	1,510,000 6/	8,130,000 6/	XX	XX

See footnotes at end of table.

TABLE 1--Continued
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION 1/

(Thousand metric tons and thousand dollars)

Region/Division	1999									Value total 2/
	Quantity 1st qtr.	Per- cent change 4/	Quantity 2nd qtr.	Per- cent change 4/	Quantity 3rd qtr.	Per- cent change 4/	Quantity 4th qtr.	Per- cent change 4/	Total 2/	
Northeast:										
New England	3,200	5.0	11,000	2.9	12,200	-2.1	9,900	-5.7	36,300	264,000
Middle Atlantic	21,000	-4.8	49,100	10.3	55,300	0.3	42,900	-2.2	168,000	983,000
Midwest:										
East North Central	35,400	-4.1	82,400	5.2	91,800	1.8	80,600	2.3	290,000	1,360,000
West North Central	27,200	2.4	43,200	-2.6	51,200	7.5	43,000	6.7	165,000	889,000
South:										
South Atlantic	77,700	14.7	98,400	5.9	98,900	-2.5	93,500	0.2	369,000	2,210,000
East South Central	32,400	0.3	47,500	5.8	50,900	0.1	44,900	0.4	176,000	1,100,000
West South Central	45,300	22.2	47,500	2.6	50,500	5.1	47,600	13.1	191,000	833,000
West:										
Mountain	11,700	16.2	14,400	-5.4	15,800	2.3	12,600	4.4	54,500	284,000
Pacific 5/	20,400	6.5	26,600	6.9	27,900	-0.6	26,100	2.0	101,000	607,000
Total 2/	274,000	7.6	420,000	4.5	455,000	1.2	401,000	2.5	1,560,000 6/	8,630,000 6/

XX Not applicable.

1/ Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

2/ Data may not add to totals shown because of independent rounding and differences between projected totals by States and by divisions.

3/ Number of companies reporting for the quarterly survey.

4/ All percentage changes are calculated using unrounded totals.

5/ Does not include Alaska and Hawaii.

6/ Includes Alaska, Hawaii, and "Other" totals; see Table 3, footnote 6.

TABLE 2
SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION 1/

(Thousand metric tons and thousand dollars)

Region/Division	1998					1998 and 1999		
	Quantity					Value total 2/	Percent cover- age	Number of cos. 3/
	1st qtr.	2nd qtr.	3rd qtr.	4th qtr.	Total 2/			
Northeast:								
New England	5,600	11,400	14,500	11,400	42,900	213,000	24	22
Middle Atlantic	9,100	20,100	23,500	15,200	67,900	368,000	26	23
Midwest:								
East North Central	24,300	60,300	70,700	56,900	212,000	866,000	41	49
West North Central	9,200	33,000	39,600	26,000	108,000	396,000	22	33
South:								
South Atlantic	16,100	20,300	19,900	18,700	75,100	343,000	54	37
East South Central	8,500	13,400	12,200	11,100	45,200	206,000	38	18
West South Central	22,900	30,200	28,600	25,400	107,000	500,000	36	15
West:								
Mountain	41,000	59,700	56,500	47,300	205,000	837,000	41	36
Pacific 5/	32,600	48,100	62,400	56,200	199,000	1,110,000	47	26
Total 2/	170,000	297,000	328,000	268,000	1,080,000 6/	4,920,000 6/	XX	XX

See footnotes at end of table.

TABLE 2--Continued
SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION 1/

(Thousand metric tons and thousand dollars)

Region/Division	1999								Total 2/	Value total 2/
	Quantity 1st qtr.	Per- cent change 4/	Quantity 2nd qtr.	Per- cent change 4/	Quantity 3rd qtr.	Per- cent change 4/	Quantity 4th qtr.	Per- cent change 4/		
Northeast:										
New England	5,200	-7.1	11,800	3.8	13,900	-3.9	10,500	-8.0	41,400	210,000
Middle Atlantic	8,300	-9.4	19,200	-4.5	23,000	-2.3	15,100	-0.5	65,600	364,000
Midwest:										
East North Central	26,600	9.5	63,100	4.7	72,900	3.1	56,500	-0.7	219,000	916,000
West North Central	11,200	21.2	33,700	2.4	42,700	7.7	27,900	7.2	116,000	435,000
South:										
South Atlantic	18,200	12.9	21,300	4.6	20,100	0.6	17,800	-4.8	77,400	362,000
East South Central	8,700	3.0	12,900	-4.0	14,800	20.8	9,700	-12.2	46,100	215,000
West South Central	24,600	7.4	26,400	-12.5	27,200	-4.7	24,600	-3.3	103,000	492,000
West:										
Mountain	47,500	15.7	53,900	-9.7	57,600	2.0	50,000	5.7	209,000	877,000
Pacific 5/	39,200	20.2	53,900	12.1	62,500	0.1	57,300	2.1	213,000	1,220,000
Total 2/	190,000	11.8	296,000	-0.1	335,000	2.0	270,000	0.5	1,100,000 6/	5,090,000 6/

XX Not applicable.

1/ Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

2/ Data may not add to totals shown because of independent rounding and differences between projected totals by States and by divisions.

3/ Number of companies reporting for the quarterly survey.

4/ All percent changes are calculated using unrounded totals.

5/ Does not include Alaska and Hawaii.

6/ Includes Alaska and Hawaii.

TABLE 3
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE 1/

(Thousand metric tons and thousand dollars)

State	1998						1998 and 1999	
	Quantity					Value total 2/	Percent cover- age	Number of cos. 3/
	1st qtr.	2nd qtr.	3rd qtr.	4th qtr.	Total 2/			
Alabama	10,600	12,700	13,600	12,000	48,900	383,000	70	13
Alaska 5/ 6/	--	--	--	--	1,700	9,970	--	--
Arizona 7/	--	--	--	--	8,080	44,800	--	--
Arkansas	7,400	10,200	10,100	8,000	35,700	180,000	54	10
California	10,800	13,700	15,700	14,900	55,100	344,000	53	14
Colorado	2,500	3,700	3,400	2,400	12,000	63,800	68	6
Connecticut	300	2,800	2,500	2,200	7,660	69,400	30	4
Delaware 5/	--	--	--	--	--	--	--	--
Florida 6/	19,600	20,500	20,300	20,500	81,000	377,000	68	11
Georgia 6/	14,200	19,200	21,300	19,500	74,200	440,000	97	8
Hawaii 5/	--	--	--	--	5,500	53,900	--	--
Idaho	500	700	1,200	1,700	4,180	18,400	37	3
Illinois 6/	8,600	18,700	23,600	21,200	72,100	371,000	68	12
Indiana 6/	9,700	15,900	19,300	16,800	61,600	283,000	74	13
Iowa	5,800	11,900	12,700	11,500	41,800	219,000	51	7
Kansas	4,500	6,500	5,900	4,900	21,800	115,000	66	10
Kentucky 6/	10,700	15,000	17,700	16,100	59,500	291,000	58	7
Louisiana 6/ 7/	--	--	--	--	--	--	--	--
Maine	400	1,100	1,500	1,000	4,120	23,000	57	5
Maryland 6/	3,800	6,500	7,500	6,500	24,300	141,000	99	9
Massachusetts	1,200	3,600	4,100	3,800	12,800	96,900	63	6
Michigan 6/	3,300	13,800	13,300	13,200	43,700	167,000	73	9
Minnesota 6/	600	4,100	5,600	3,300	13,600	71,500	59	5
Mississippi 6/ 7/	--	--	--	--	789	2,790	--	--
Missouri	13,900	17,300	19,100	18,100	68,400	356,000	49	16
Montana 7/	--	--	--	--	3,880	15,100	--	--
Nebraska	1,400	2,300	2,100	1,700	7,490	49,800	87	6
Nevada	1,300	1,900	1,800	1,400	6,320	34,000	36	5
New Hampshire 6/	300	1,100	1,400	1,300	4,190	27,500	62	4
New Jersey	3,600	6,200	7,400	6,700	23,900	161,000	55	7
New Mexico 6/	1,000	1,800	1,400	700	4,940	21,000	41	4
New York	4,100	13,400	17,600	12,100	47,200	279,000	55	10
North Carolina	12,600	18,700	20,300	18,100	69,700	480,000	91	11
North Dakota 5/ 6/	--	--	--	--	71	232	--	--
Ohio	11,800	21,500	23,700	18,600	75,600	352,000	67	12
Oklahoma	7,700	9,700	10,300	10,800	38,500	152,000	76	11
Oregon	4,300	6,200	7,300	5,300	23,200	118,000	31	11
Pennsylvania	14,200	25,000	30,400	25,000	94,500	504,000	60	21
Rhode Island 5/	--	--	--	--	2,240	14,200	--	--
South Carolina	5,800	7,200	7,700	7,300	28,000	182,000	90	8
South Dakota	600	1,700	2,000	1,400	5,720	24,600	84	5
Tennessee	10,600	16,800	19,500	16,700	63,600	370,000	75	9
Texas	21,800	26,700	27,900	22,900	99,300	397,000	58	13
Utah	1,500	2,300	2,400	1,600	7,820	39,500	63	6
Vermont 7/	--	--	--	--	5,590	28,500	--	--
Virginia	10,300	17,300	20,000	18,300	65,900	390,000	72	12
Washington	4,100	5,300	5,000	4,900	19,400	111,000	24	5
West Virginia 6/	1,800	3,500	4,000	3,000	12,300	68,100	57	7
Wisconsin	3,000	8,300	10,700	9,100	31,200	127,000	40	8
Wyoming	900	1,500	1,600	1,500	5,580	31,600	89	4
Other	--	--	--	--	5,630	33,200	--	--
Total	XX	XX	XX	XX	1,510,000	8,130,000	XX	XX

TABLE 3--Continued
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE 1/

(Thousand metric tons and thousand dollars)

State	1999								Total 2/	Value total 2/
	Quantity 1st qtr.	Per- cent change 4/	Quantity 2nd qtr.	Per- cent change 4/	Quantity 3rd qtr.	Per- cent change 4/	Quantity 4th qtr.	Per- cent change 4/		
Alabama	12,000	13.5	14,100	11.2	15,200	11.3	13,400	12.2	54,700	439,000
Alaska 5/ 6/	--	--	--	--	--	--	--	--	1,790	10,800
Arizona 7/	--	--	--	--	--	--	--	--	8,110	46,100
Arkansas	7,200	-3.3	9,100	-10.0	10,000	-1.4	8,900	11.5	35,200	182,000
California	10,300	-4.6	14,200	4.1	15,600	-0.9	14,400	-3.6	54,500	349,000
Colorado	2,600	6.0	3,600	-1.7	3,500	3.0	2,700	9.9	12,400	68,000
Connecticut	400	33.2	2,800	1.1	2,500	1.8	1,600	-23.7	7,320	68,000
Delaware 5/	--	--	--	--	--	--	--	--	--	--
Florida 6/	21,800	10.8	22,000	7.2	21,800	7.4	22,400	9.2	88,000	419,000
Georgia 6/	17,800	25.2	20,800	8.3	21,400	0.5	18,800	-3.6	78,800	479,000
Hawaii 5/	--	--	--	--	--	--	--	--	5,700	57,300
Idaho	700	56.1	800	11.0	1,300	0.9	1,000	-40.0	3,840	17,300
Illinois 6/	10,100	16.7	21,100	13.3	24,200	2.8	22,700	7.0	78,200	503,000
Indiana 6/	8,600	-10.5	17,100	8.0	19,700	1.8	15,700	-6.5	61,100	287,000
Iowa	5,200	-10.0	12,400	4.4	14,400	13.0	11,100	-2.8	43,100	232,000
Kansas	4,800	6.1	5,300	-18.7	5,900	0.1	5,600	15.5	21,600	117,000
Kentucky 6/	11,500	7.5	17,200	14.7	18,700	5.4	15,700	-2.3	63,100	316,000
Louisiana 6/ 7/	--	--	--	--	--	--	--	--	--	--
Maine	600	29.9	1,200	7.8	1,400	-12.7	900	-11.1	4,030	23,000
Maryland 6/	3,900	0.6	6,500	1.1	6,800	-9.1	7,000	7.1	24,200	143,000
Massachusetts	1,200	-2.0	3,800	3.3	4,200	3.1	3,700	-2.4	12,900	101,000
Michigan 6/	3,100	-7.7	12,800	-7.4	13,300	-0.5	12,600	-4.7	41,700	163,000
Minnesota 6/	700	23.0	3,800	-7.3	5,500	-2.1	3,800	16.9	13,900	74,800
Mississippi 6/ 7/	--	--	--	--	--	--	--	--	800	5,740
Missouri	14,700	5.8	18,200	5.1	22,100	15.7	20,000	10.0	74,900	400,000
Montana 7/	--	--	--	--	--	--	--	--	3,950	15,700
Nebraska	1,400	-0.3	1,900	-15.7	2,000	-5.9	1,700	-1.5	6,980	47,600
Nevada	1,100	-10.7	1,900	-1.9	2,200	20.6	1,500	9.7	6,650	36,700
New Hampshire 6/	300	-10.1	1,100	-4.4	1,300	-7.7	1,200	-4.2	3,940	26,600
New Jersey	3,600	-1.1	7,000	12.6	7,000	-5.0	6,800	0.6	24,300	169,000
New Mexico 6/	900	-17.9	1,300	-27.1	1,100	-25.9	600	-8.0	3,850	16,700
New York	3,700	-10.4	14,100	5.1	18,100	3.1	11,600	-4.4	47,500	288,000
North Carolina	14,500	14.7	19,400	3.8	19,300	-5.1	18,000	-0.9	71,100	502,000
North Dakota 5/ 6/	--	--	--	--	--	--	--	--	80	268
Ohio	10,000	-15.6	21,400	-0.6	22,400	-5.6	19,400	4.2	73,100	349,000
Oklahoma	9,400	21.2	9,600	-1.8	9,400	-8.2	8,700	-19.6	37,000	150,000
Oregon	3,800	-11.2	6,400	2.5	7,100	-3.0	6,600	24.1	23,900	125,000
Pennsylvania	13,600	-4.1	28,100	12.4	30,400	-0.1	24,500	-1.9	96,500	528,000
Rhode Island 5/	--	--	--	--	--	--	--	--	2,500	16,300
South Carolina	6,400	9.5	7,500	4.5	7,600	-1.0	6,900	-5.7	28,400	189,000
South Dakota	600	-1.0	1,700	-2.6	1,800	-9.3	1,300	-2.6	5,450	24,100
Tennessee	10,100	-4.2	18,000	7.2	19,000	-2.5	17,300	3.2	64,400	385,000
Texas	30,100	38.1	30,400	13.8	33,000	18.3	31,700	38.2	125,000	513,000
Utah	1,700	11.9	2,000	-10.5	2,700	12.2	2,400	48.1	8,850	45,800
Vermont 7/	--	--	--	--	--	--	--	--	5,980	31,300
Virginia	11,700	14.2	18,300	5.6	17,500	-12.7	17,500	-4.3	65,000	395,000
Washington	8,100	96.9	6,900	29.9	5,300	5.6	5,400	9.0	25,700	151,000
West Virginia 6/	1,900	5.9	4,000	14.7	4,500	12.2	3,300	8.9	13,700	77,700
Wisconsin	3,500	15.4	10,700	28.5	14,000	30.5	11,400	26.3	39,700	166,000
Wyoming	1,500	67.1	1,500	-0.9	1,600	-4.5	1,300	-12.2	5,920	34,400
Other	--	--	--	--	--	--	--	--	5,740	32,900
Total	XX	XX	XX	XX	XX	XX	XX	XX	1,560,000	8,630,000

XX Not applicable.

1/ Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

2/ Data may not add to totals shown because of independent rounding, and differences between projected totals by States.

3/ Number of companies reporting for the quarterly survey.

4/ All percentage changes are calculated using unrounded totals.

5/ State not included in quarterly survey.

6/ To avoid disclosing proprietary data, certain State totals do not include all kinds of stone produced within the State; the portion not shown has been included with "Other".

7/ Owing to a low number of reporting companies, no production estimates by quarters were generated.

TABLE 4
SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE 1/

(Thousand metric tons and thousand dollars)

State	1998					1998 and 1999		
	Quantity					Value total 2/	Percent cover- age	Number of cos. 3/
	1st qtr.	2nd qtr.	3rd qtr.	4th qtr.	Total 2/			
Alabama	3,100	3,900	3,800	3,500	14,400	64,100	42	8
Alaska 5/	--	--	--	--	13,700	72,700	--	--
Arizona	10,300	13,200	12,200	12,200	47,900	229,000	69	8
Arkansas	2,400	3,500	3,400	2,800	12,100	55,400	58	4
California	20,800	30,900	42,100	41,200	135,000	801,000	54	15
Colorado	7,100	12,000	13,100	10,600	42,900	195,000	38	6
Connecticut	1,000	1,700	1,900	1,700	6,380	29,200	29	5
Delaware 6/	--	--	--	--	2,560	11,500	--	--
Florida	4,900	5,500	5,200	5,300	20,900	84,600	73	9
Georgia	1,300	1,800	2,200	1,800	7,130	29,500	30	6
Hawaii 5/	--	--	--	--	368	4,590	--	--
Idaho	3,500	5,100	4,800	3,200	16,600	52,400	25	5
Illinois	3,900	10,000	11,000	9,200	34,100	150,000	50	10
Indiana	4,600	6,900	6,700	5,800	24,000	101,000	53	8
Iowa	1,000	3,800	5,000	3,700	13,500	58,500	27	6
Kansas	2,200	3,200	3,300	2,100	10,800	31,400	22	3
Kentucky	1,500	2,100	2,600	1,900	8,100	27,500	21	3
Louisiana	2,400	3,400	2,900	2,700	11,400	53,800	64	4
Maine	300	1,800	3,200	2,200	7,640	33,400	20	4
Maryland	2,400	2,600	3,000	2,400	10,400	60,500	48	6
Massachusetts	2,200	3,900	3,900	4,000	14,000	78,000	18	6
Michigan	6,200	19,600	24,200	16,800	66,900	245,000	38	10
Minnesota	1,300	13,400	15,400	9,400	39,400	154,000	23	10
Mississippi	2,200	3,900	3,700	3,500	13,300	64,400	46	6
Missouri	1,200	2,300	3,300	2,700	9,470	39,300	45	5
Montana 6/	--	--	--	--	8,550	34,900	--	--
Nebraska	1,200	5,000	4,700	2,900	13,800	47,000	22	6
Nevada	5,600	7,300	7,600	6,000	26,400	114,000	31	6
New Hampshire	1,300	2,300	3,200	1,800	8,590	40,000	35	5
New Jersey	3,900	4,200	4,500	3,900	16,600	90,800	27	4
New Mexico	2,400	3,400	3,100	2,100	11,100	53,300	41	4
New York	3,100	10,400	12,500	6,100	32,100	161,000	21	11
North Carolina	2,400	3,000	2,800	2,700	10,900	58,000	39	5
North Dakota 5/	--	--	--	--	10,700	30,400	--	--
Ohio	5,900	13,600	18,300	14,700	52,600	255,000	43	15
Oklahoma	1,800	2,500	2,500	2,100	9,000	35,900	43	6
Oregon	3,100	4,900	6,700	3,900	18,600	99,200	25	4
Pennsylvania	1,900	5,700	6,800	4,800	19,200	116,000	33	10
Rhode Island 6/	--	--	--	--	1,390	11,100	--	--
South Carolina	1,900	2,600	2,600	2,600	9,690	35,900	51	4
South Dakota	1,000	2,500	4,400	2,200	10,100	35,600	16	5
Tennessee	1,600	3,500	2,300	2,100	9,410	49,800	36	5
Texas	16,600	20,500	19,600	17,900	74,600	354,000	27	9
Utah	8,800	15,600	13,200	8,800	46,300	140,000	36	4
Vermont	400	1,200	1,600	1,700	4,940	21,200	19	4
Virginia	2,500	3,400	3,200	2,800	11,900	54,800	58	8
Washington	9,300	13,200	14,000	9,100	45,700	214,000	37	9
West Virginia	200	500	600	400	1,650	8,050	98	4
Wisconsin	2,700	10,300	10,800	10,900	34,700	116,000	30	11
Wyoming	1,200	1,200	1,000	1,400	4,770	18,100	14	3
Total	XX	XX	XX	XX	1,080,000	4,920,000	XX	XX

See footnotes at end of table.

TABLE 4--Continued
SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE 1/

(Thousand metric tons and thousand dollars)

State	1999								Total 2/	Value total 2/
	Quantity 1st qtr.	Per- cent change 4/	Quantity 2nd qtr.	Per- cent change 4/	Quantity 3rd qtr.	Per- cent change 4/	Quantity 4th qtr.	Per- cent change 4/		
Alabama	3,500	11.2	4,100	4.5	4,200	11.1	3,700	3.7	15,500	84,800
Alaska 5/	--	--	--	--	--	--	--	--	13,200	71,200
Arizona	14,400	39.6	14,900	13.0	14,200	17.0	13,500	10.1	57,000	331,000
Arkansas	2,600	7.5	2,900	-16.0	3,300	-2.4	2,900	2.9	11,700	65,800
California	27,900	33.8	37,400	21.2	43,500	3.3	41,400	0.6	150,000	1,040,000
Colorado	8,900	24.5	11,400	-5.1	13,700	4.6	10,800	1.8	44,800	249,000
Connecticut	800	-26.6	1,700	-0.1	1,800	-7.5	1,500	-7.2	5,840	32,700
Delaware 6/	--	--	--	--	--	--	--	--	2,110	11,700
Florida	5,600	16.2	6,000	8.7	5,800	12.4	5,600	4.2	23,000	117,000
Georgia	2,200	75.8	2,600	44.6	2,400	9.4	2,100	12.0	9,320	48,200
Hawaii 5/	--	--	--	--	--	--	--	--	400	5,090
Idaho	1,800	-49.6	3,900	-24.5	5,200	10.5	3,200	0.9	14,100	59,000
Illinois	4,100	4.6	10,700	6.5	10,700	-2.9	9,600	4.3	35,000	190,000
Indiana	5,600	20.7	8,600	25.3	8,400	25.0	6,300	8.5	28,900	152,000
Iowa	1,000	3.7	3,600	-5.6	4,600	-7.1	3,500	-4.7	12,800	68,500
Kansas	1,500	-32.5	2,300	-29.3	3,000	-8.1	2,300	10.7	9,090	35,800
Kentucky	1,500	-3.3	2,600	24.4	2,500	-0.2	2,300	20.5	8,950	39,600
Louisiana	2,500	5.7	2,900	-14.1	2,600	-12.7	2,500	-6.2	10,500	60,500
Maine	600	66.9	2,400	28.0	3,400	4.9	2,300	3.1	8,610	46,500
Maryland	1,900	-18.7	2,400	-9.2	2,400	-18.5	2,400	-1.1	9,130	62,700
Massachusetts	2,200	0.1	4,100	5.4	3,800	-2.9	3,600	-10.3	13,700	90,100
Michigan	6,300	1.2	18,500	-5.7	23,800	-1.7	17,300	2.9	65,900	309,000
Minnesota	1,800	38.7	13,700	2.3	18,000	17.3	10,200	9.5	43,700	216,000
Mississippi	2,200	0.9	3,600	-8.7	4,600	24.2	2,500	-28.1	12,900	75,500
Missouri	2,100	70.6	3,200	40.9	4,000	22.7	3,300	22.4	12,600	65,300
Montana 6/	--	--	--	--	--	--	--	--	8,900	45,500
Nebraska	1,600	31.5	4,500	-9.8	4,700	0.7	2,600	-10.9	13,400	59,300
Nevada	5,900	6.2	6,200	-15.4	6,300	-17.2	7,300	22.0	25,600	137,000
New Hampshire	1,200	-7.7	2,000	-11.4	3,000	-5.4	1,800	-1.5	8,030	45,700
New Jersey	3,200	-19.5	4,600	8.1	4,900	9.2	4,600	17.0	17,300	112,000
New Mexico	2,100	-14.5	2,600	-25.4	2,500	-20.9	3,500	64.2	10,600	61,600
New York	3,400	7.5	8,600	-16.8	11,700	-6.3	5,900	-2.8	29,600	179,000
North Carolina	2,000	-15.9	2,800	-6.2	2,600	-5.0	2,400	-10.0	9,920	62,800
North Dakota 5/	--	--	--	--	--	--	--	--	10,200	29,600
Ohio	6,400	7.8	14,500	6.3	18,300	-0.3	14,300	-2.8	53,500	313,000
Oklahoma	2,300	25.3	2,300	-7.3	3,000	17.5	2,600	22.9	10,200	51,300
Oregon	3,100	1.1	5,100	3.8	5,800	-14.0	3,900	-0.0	17,900	114,000
Pennsylvania	1,700	-9.7	5,800	2.0	6,500	-4.0	4,300	-10.5	18,400	130,000
Rhode Island 6/	--	--	--	--	--	--	--	--	1,050	9,490
South Carolina	2,500	26.9	2,500	-3.2	2,400	-4.6	1,600	-36.2	9,090	42,900
South Dakota	900	-8.2	2,900	13.2	3,600	-16.3	2,300	4.3	9,730	44,200
Tennessee	1,500	-8.6	2,800	-18.4	3,300	46.3	1,500	-27.0	9,120	57,600
Texas	17,400	4.8	18,200	-11.6	18,200	-7.2	16,200	-9.2	70,000	404,000
Utah	7,800	-10.9	9,400	-39.8	11,400	-13.3	6,600	-25.0	35,200	143,000
Vermont	400	4.6	1,600	27.4	1,400	-13.6	1,200	-26.9	4,610	24,500
Virginia	3,000	21.0	3,500	3.0	2,700	-13.8	2,600	-7.7	11,900	67,100
Washington	7,400	-20.2	11,000	-17.1	12,700	-9.6	10,300	12.8	41,400	236,000
West Virginia	200	30.1	600	22.9	700	27.5	400	1.6	1,980	11,700
Wisconsin	3,100	16.0	10,200	-0.7	11,900	10.2	8,800	-19.3	34,100	148,000
Wyoming	1,100	-10.8	700	-37.4	800	-19.5	1,300	-4.7	3,940	19,000
Total	XX	XX	XX	XX	XX	XX	XX	XX	1,100,000	5,090,000

XX Not applicable.

1/ Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

2/ Data may not add to totals shown because of independent rounding, and differences between projected totals by States.

3/ Number of companies reporting for the quarterly survey.

4/ All percentage changes are calculated using unrounded totals.

5/ State not included in quarterly survey.

6/ Owing to a low number of reporting companies, no production estimates by quarters were generated.